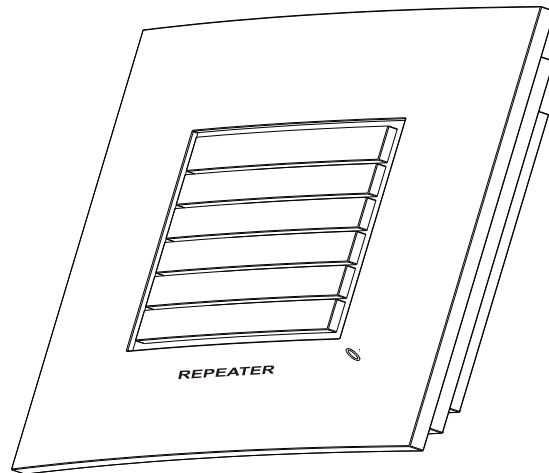


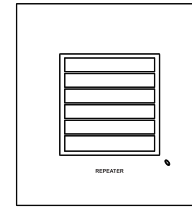
DECT Repeater RT10



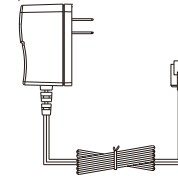
User Guide

Packaging Contents

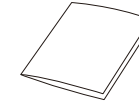
The following items are included in your package:



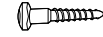
Repeater



Power Adapter



User Guide



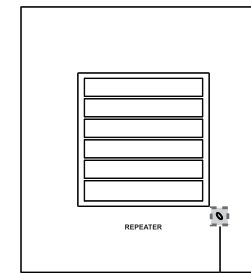
Screw



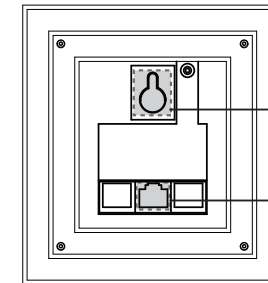
Screw Anchor

Overview

Names and Locations



Status LED



Wall Mount Hole

DC Jack

LED Indications

Different operating modes of the repeater are indicated by the status LED. The LED patterns and the corresponding status of the repeater in each mode are shown in the following table. For details about each mode, refer to "Registering the Repeater".

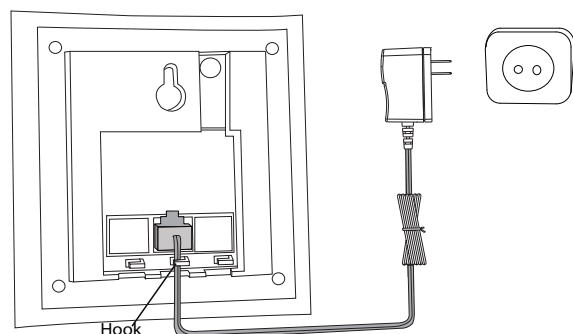
Mode	Status	LED
	Power off	Off
De-registration	Switching on for 1-5s	Solid red
	Switching on for 25-35s	Slow flashing red
	De-registration complete	Solid red
Auto registration	Switching on	Slow flashing red
	Auto registration complete	Solid red

Mode	Status	LED
Manual registration	Switching on for 1-5s/off/on	Slow flashing red
	Entering the registration mode	Fast flashing red
	Entering number assignment mode	Solid red
	Number assigned	Flash a corresponding number of times
	Automatic restart	Go off 2s Flash a brief moment Solid red
	Manual registration completes	Solid red

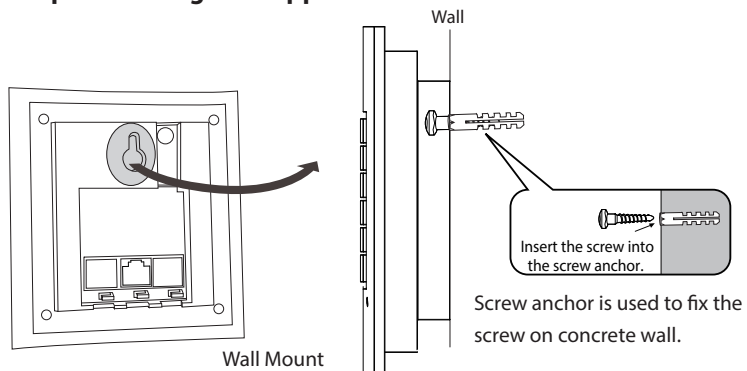
Installation

To connect the power for the repeater:

1. Connect the DC plug on the power adapter to the DC jack on the repeater.
2. Connect the other end of the power adapter to the AC outlet.



To install the repeater using the supplied screw:

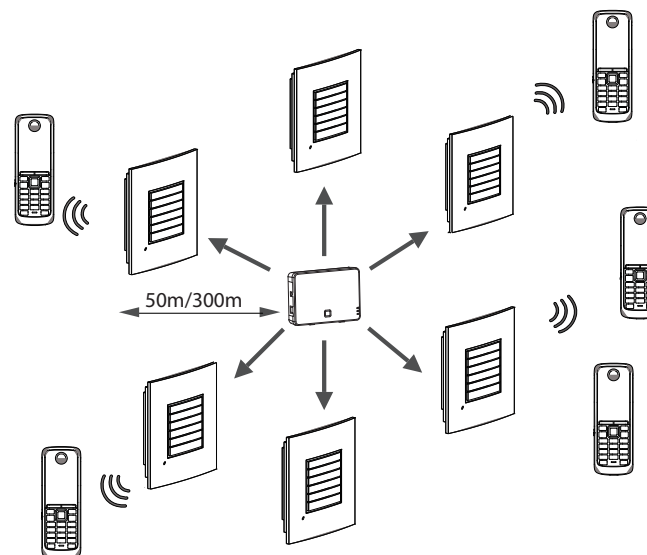


Introduction

DECT repeater RT10 is designed in accordance with Digital Enhanced Cordless Telecommunication (DECT) standard. It can be deployed to extend the range of the W52P IP DECT phone to cover areas where reception was previously not available. All the usual handset functions are supported by the base station in the extended radio range. The repeater, base station and cordless handset employ wireless connection. Signals are exchanged without acoustical and visual differences.

Multiple Repeaters

Up to 6 repeaters can be registered to one base station thus making available extra extended reception range for each 5 handsets respectively. All repeaters must be installed within the base station coverage area (up to 300m in unobstructed outdoor areas and up to 50m inside buildings), as shown in the figure below. It is not possible to install the repeaters in series or "daisy-chain".



The maximum number of handsets that can be registered to your base station is not affected by the repeater. The repeater can be used to extend the coverage range in all directions, allowing several floors to be covered. The automatic handover process is seamless.

If the repeater is placed correctly (overlapping the coverage area of the base station), the handsets can move freely within the total coverage area while on a call.

Registering the Repeater

The repeater can be registered to a base station in two ways: Auto Registration and Manual Registration. Before registering the repeater, you need to enable the repeater mode on the base station. For more information on how to enable the repeater mode, refer to **W52P IP DECT Phone User Guide**.

Note: Auto Registration cannot be performed if the repeater is already registered to another base station. In this case, de-register the repeater before attempting auto registration. For more information about the de-registration, refer to "De-registration".

Auto Registration

Using the auto registration method, the repeater can be registered to a base station easily.

To register a repeater automatically:

1. Switch off the repeater (disconnect the power adapter).

2. Set the base station in registration mode.

Long press the paging key on the base station till the first LED flashes.

3. Switch on the repeater (connect the power adapter).

The status LED on the repeater flashes. After a short while, the status LED stays illuminated indicating that registration is completed and the repeater is ready for use.

Note: If the registration is not successful, the status LED will flash continuously. In this case, repeat the procedures.

Manual Registration

The repeater, base station and handset must be accessible before performing the registration. If you want to register more than one repeater, the registration must be performed separately for each repeater.

To register a repeater manually:

1. Set the repeater in registration mode.

Switch on the repeater for 1-5 seconds and then switch it off. Switch it on once more and leave it there.

The status LED on the repeater flashes slowly.

You now have five minutes to complete the registration. If the registration is not completed within this period, you must start over again.

2. Set the base station in registration mode.

Long press the paging key on the base station till the first LED flashes.

3. The status LED on the repeater flashes.

If the LED flashes fast without interruptions, go to step 5. If the LED flashes fast with interruptions, go to step 4.

4. Registration of handset.

If the password of the base station has been changed, reset it to "0000". You must re-register the handset even if the handset used was already registered to the base station. Now the status LED fast flashes without interruptions.

5. Assign a repeater number.

You must now assign a repeater number to the repeater (choose from 2 to 7, for up to 6 repeaters):

a) Dial out "##9" using the handset. The status LED stays illuminated.

b) Press a number between 2 and 7. When the repeater has accepted the chosen number, the status LED will flash a corresponding number of times.

c) Accept the registration by pressing the * key and then the on-hook key.

The repeater is now automatically restarted: the status LED goes off for 2 seconds, flashes for a brief moment and then stays illuminated.

The registration of the repeater is completed. You can now disconnect the power adapter and move the repeater to the selected location (disconnecting the power will not clear the registration).

Note: Each number can be only assigned once when using more than one repeater on a base station.

De-registration

If you want to register the repeater to another base station using the auto registration method, de-register the repeater beforehand as described below:

1. Switch off the repeater (disconnect the power adapter).

2. Switch it on for 1 to 5 seconds and switch it off again.

3. Switch it on for 25 to 35 seconds and switch it off again.

Now the repeater is ready for a new registration.

Placement

To achieve optimum performance for the repeater, it is important to find a good location.

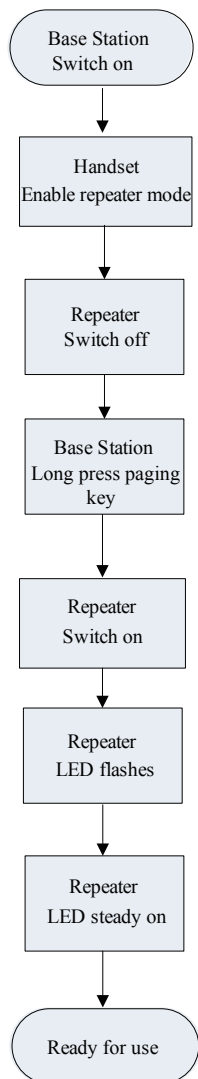
Here are a few tips for placing the repeaters:

- Choose a raised position for both the base station and repeater wherever possible.
- When positing the repeater, avoid obstacles that can interfere with radio transmission such as thick wall and mental structures that may be in the coverage area between the base station and repeater.
- Avoid interference from other electrical appliances such as micro-wave ovens, Hi-Fi equipment, computers etc.
- Keep a minimum of 10 meters between multiple repeaters to avoid coverage areas overlap.

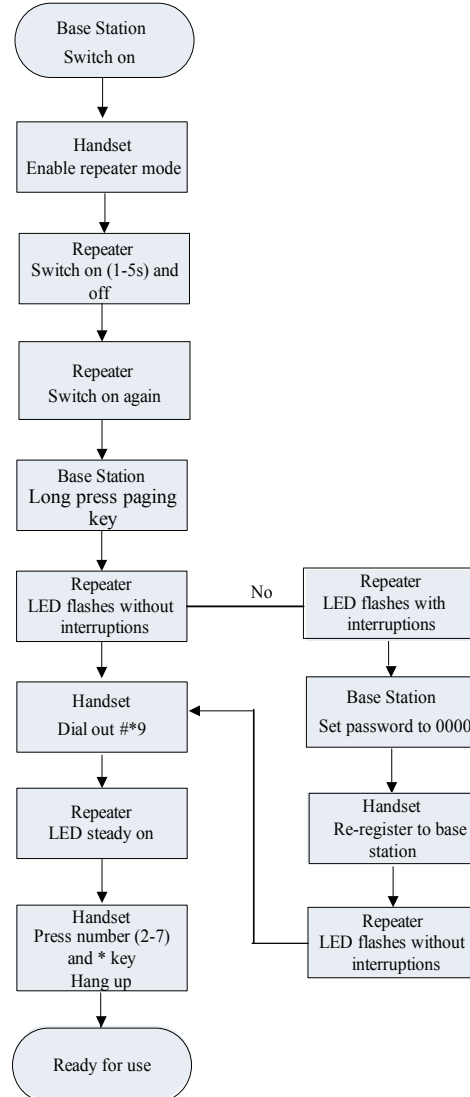
Note: The status LED remains illuminated after the repeater has been switched on. If the LED flashes, the repeater is far away from the base station or reception is hindered by obstacles.

The flow diagrams of these two registration methods are shown below:

Auto Registration



Manual Registration



Verification Tone

To find the best possible location for the repeater, you may need to try various locations. Place a call and walk around with the handset to determine the base station's coverage area. The verification tone allows you to easily check the extent of the repeater's coverage area. The tone is audible on the handset during a call.

To activate the verification tone on the repeater:

1. Switch off the repeater (disconnect the power adapter).
2. Switch it on for 1 to 5 seconds and switch it off again.
3. Switch it on again. The status LED on the repeater is flashing slowly, switch it off again.
4. Switch it on again.

The verification is then activated.

Place a call using the handset to check whether the handset is working via the repeater and that the repeater is the desired coverage area. If call is successfully handled by the repeater, you can hear a verification tone through the handset every few seconds.

To deactivate the verification tone, repeat the above steps.